

766.53

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
: Examiner: Not Yet Assigned
KATSUhide MIYAKE, ET AL.)
: Group Art Unit: Not Yet Assigned
Application No.: Not Yet Assigned)
:
Filed: Currently herewith)
:
For: β 1,3-GALACTOSYLTRANSFERASE)
AND DNA ENCODING THE SAME : July 6, 2001

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to action on the merits, please amend the above-identified application
as follows:

IN THE CLAIMS:

Please amend Claims 9, 14 and 15, and add new Claims 20-24 to read as
follows. A marked-up copy of Claims 9, 14 and 15, showing the changes made thereto, is
attached.

9. (Amended) A recombinant DNA comprising the DNA of claim 6 and a vector.

14. (Amended) A method for producing a protein having a 1,3-galactosyltransferase activity, comprising:

culturing the transformant of claim 10 in a medium to produce and accumulate a protein having a 1,3-galactosyltransferase activity in the culture, and recovering the protein from the culture.

15. (Amended) A method for producing a galactose-containing carbohydrate, comprising:

selecting, as an enzyme source, a culture of the transformant of claim 10 or a treated product of the culture,

allowing the enzyme source, uridine-5' diphosphogalactose and an acceptor carbohydrate to be present in an aqueous medium to produce and accumulate the galactose-containing carbohydrate in the aqueous medium, and recovering the galactose-containing carbohydrate from the aqueous medium.

20. (New) A recombinant DNA comprising the DNA of any one of claims 7 or 8 and a vector.

21. (New) A transformant obtained by introducing the recombinant DNA of claim 20 into a host cell.

22. (New) The transformant according to claim 21, wherein the host cell is a microorganism.

23. (New) The transformant according to claim 22, wherein the microorganism belongs to the genus *Escherichia*.

24. (New) The transformant according to claim 23, wherein the microorganism belonging to the genus *Escherichia* is *Escherichia coli*.

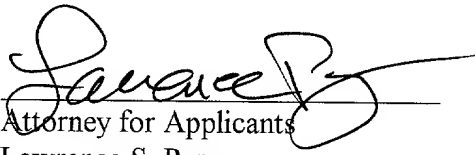
REMARKS

Claims 9, 14 and 15 have been amended to correct their dependency, and Claims 20-24 have been added in conformity with accepted U.S. practice. No new matter has been added.

Entry hereof is earnestly solicited.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lawrence S. Perry", written over a horizontal line.

Attorney for Applicants
Lawrence S. Perry
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VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS

9. (Amended) A recombinant DNA comprising the DNA of [any one of] claim[s] 6 [to 8] and a vector.

14. (Amended) A method for producing a protein having a 1,3-galactosyltransferase activity, comprising:

culturing the transformant of [any one of] claim[s] 10 [to 13] in a medium to produce and accumulate a protein having a 1,3-galactosyltransferase activity in the culture, and

recovering the protein from the culture.

15. (Amended) A method for producing a galactose-containing carbohydrate, comprising:

selecting, as an enzyme source, a culture of the transformant of [any one of] claim[s] 10 [to 13] or a treated product of the culture,

allowing the enzyme source, uridine-5' diphosphogalactose and an acceptor carbohydrate to be present in an aqueous medium to produce and accumulate the galactose-containing carbohydrate in the aqueous medium, and

medium.

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Variable	Mean	SD	Min	Max
Age	34.5	10.2	22	55
Gender	Male	100%		
Marital status	Married	100%		
Education	High school	100%		
Occupation	Farmer	100%		
Religion	Islam	100%		
Family size	4.5	1.5	2	8
Household income	1500000	500000	500000	3000000
Health status	Good	100%		
Access to health services	Yes	100%		
Knowledge of HIV/AIDS	High	100%		
Attitude towards HIV/AIDS	Positive	100%		
Behavioral change	Yes	100%		
Consistent condom use	Yes	100%		
Injection drug use	No	100%		
Sharing needles	No	100%		
Sexual risk behavior	Low	100%		
Substance use	No	100%		
Stigma and discrimination	Low	100%		
Community support	High	100%		
Healthcare provider support	High	100%		
Peer support	High	100%		
Family support	High	100%		
Religious support	High	100%		
Government support	High	100%		
Media support	High	100%		
NGO support	High	100%		
Community health worker support	High	100%		
Health insurance	Yes	100%		
Healthcare facility	Local health center	100%		
Healthcare provider	Community health worker	100%		
Healthcare service	Condom distribution	100%		
Healthcare outcome	Reduced HIV risk	100%		
Healthcare impact	Positive	100%		
Healthcare sustainability	Yes	100%		
Healthcare equity	Yes	100%		
Healthcare accessibility	Yes	100%		
Healthcare quality	High	100%		
Healthcare effectiveness	High	100%		
Healthcare efficiency	High	100%		
Healthcare cost-effectiveness	High	100%		
Healthcare value	High	100%		
Healthcare patient satisfaction	High	100%		
Healthcare provider satisfaction	High	100%		
Healthcare community satisfaction	High	100%		
Healthcare government satisfaction	High	100%		
Healthcare media satisfaction	High	100%		
Healthcare NGO satisfaction	High	100%		
Healthcare community health worker satisfaction	High	100%		
Healthcare overall satisfaction	High	100%		